



SACO

JC20 Rec'd PCT/PTO 0 8 AUG 2001

PCT

#  
3

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN THE APPLICATION OF:

STEPHEN M. ALLEN ET AL.

CASE NO: BB1315 US PCT

APPLICATION NO: 09/857,522

GROUP ART UNIT: UNKNOWN

FILED: JUNE 4, 2001

EXAMINER: UNKNOWN

FOR: PLANT CARBON CATABOLITE REPRESSION  
PROTEINS

INFORMATION DISCLOSURE STATEMENT

Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

In compliance with 37 CFR 1.97 and 1.98, Applicants bring to the attention of the U.S. Patent and Trademark Office information listed on the enclosed PTO/SB/08. A copy of the information is also enclosed. Also attached please find a copy of an International Search Report from a corresponding foreign application and copies of those references cited therein.

Should any fee be required in connection with the filing of this Information Disclosure Statement, please charge such fee to Deposit Account No. 04-1928 (E.I. du Pont de Nemours and Company).

Respectfully submitted,

THOMAS M. RIZZO, PH.D.  
Attorney for Applicants  
Registration No. 41,272  
Telephone: 302-892-7760  
Facsimile: 302-892-1026

Encl.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.



## Certificate of Mailing under 37 CFR 1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Assistant Commissioner for Patents  
Washington, D.C. 20231

on August 6, 2001  
Date

Signature

MELISSA MCCULLIN

Type or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

APPLICATION NO: 09/857,522  
DOCKET NO: BB1315 US PCT  
INFORMATION DISCLOSURE STATEMENT  
PTO/SB/08 FORMS (2)  
INTERNATIONAL SEARCH REPORT  
REFERENCES  
POSTCARD

+

+

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

**Complete if Known**

Application Number	09/857,522
Filing Date	June 4, 2001
First Named Inventor	Stephen M. Allen et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1315 US PCT

*(use as many sheets as necessary)*

Sheet	1	of	1
-------	---	----	---

Attorney Docket Number	BB1315 US PCT
------------------------	---------------

Sheet  
AUG 08 2001  
PATENT & TRADEMARK OFFICE  
Examiner

[illegible][illegible]

**Examiner  
Signature**

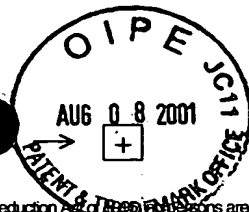
Date Considered

<sup>1</sup> Unique citation designation number. <sup>2</sup> See attached Kinds of U.S. Patent Documents. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

**Burden Hour Statement:** This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:** Assistant Commissioner for Patents, Washington, DC 20231

+

Please type a plus sign (+) inside this box.



PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031  
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1996, persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 2 of 2

### Complete if Known

Application Number	09/857,522
Filing Date	June 4, 2001
First Named Inventor	Stephen M. Allen et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1315 US PCT

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
✓	01	JOHN L. CELENZA ET AL., Vol. 233:1175-1180, 1986, A yeast gene that is essential for release from glucose repression encodes a protein kinase	
✓	02	DONGQING HUANG ET AL., Mol. & Cell. Biol., vol. 16(8):4357-4365, 1996, Pho85p, a cyclin-dependent protein kinase, and the Snf1p protein kinase act antagonistically to control glycogen accumulation in saccharomyces cerevisiae	
✓		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 5051782, 08-27-1999, M. BEVAN ET AL.	
✓	03	NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4895200, 04-05-2000, X. LIN ET AL., Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana	
✓	04	XIAOYING LIN ET AL., Nature, vol. 402:761-768, 1999, Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana	
✓		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 2980770, 08-27-1999, M. BEVAN ET AL.	
✓		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 3885328, 04-05-2000, X. LIN ET AL., Sequence and analysis of chromosome 2 of the plant Arabidopsis thaliana	
✓		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 1743009, 12-17-1996, N.J. GUMPEL	
✓		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4567091, 04-23-1999, S. PATIL ET AL., Cloning of a full length SNF1-related protein-ser/thr kinase cDNA from soybean root nodules	
✓		SHAMEEKUMAR PATIL ET AL., Plant Phys., vol. 119(4):1568, 1999, Cloning of a full length SNF1-related protein-ser/thr kinase cDNA from soybean root nodules	
✓		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4107001, 02-06-1999, M. TAKANO, Rice has two distinct classes of protein kinase genes related to SNF1 of Saccharomyces cerevisiae, which are differently regulated in early seed development	
✓	05	MAKOTO TAKANO ET AL., Mol. Gen. Gen., vol. 260:388-394, 1998, Rice has two distinct classes of protein kinase genes related to SNF1 of Saccharomyces cerevisiae, which are differently regulated in early seed development	
✓		NATIONAL CENTER FOR BIOTECHNOLOGY INFORMATION GENERAL IDENTIFIER NO. 4107009, 02-06-1999, M. TAKANO, Rice has two distinct classes of protein kinase genes related to SNF1 of Saccharomyces cerevisiae, which are differently regulated in early seed development	

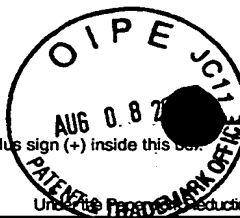
Examiner  
Signature

Date  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



Please type a plus sign (+) inside this box.



PTO/SB/08B(08-00)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO

## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

1

of

2

### Complete if Known

Application Number	09/857,522
Filing Date	June 4, 2001
First Named Inventor	Stephen M. Allen et al.
Group Art Unit	Unknown
Examiner Name	Unknown
Attorney Docket Number	BB1315 US PCT

### OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/		HIROSHI SANO ET AL., PNAS, vol. 91:2582-2586, 1994, Light and nutritional regulation of transcripts encoding a wheat protein kinase homolog is mediated by cytokinins	
		HIROTAKE HOTTA ET AL., Gene, vol. 213:47-54, 1998, Molecular analysis of a novel protein kinase in maturing rice seed	
✓		EMBL DATABASE SEQUENCE LIBRARY ACCESSION NO: Q40740, 11-01-1996, MENDEL, SNF1-Related Protein Kinase	
✓		EMBL DATABASE SEQUENCE LIBRARY ACCESSION NO: U55768, 08-03-1996, T. H. TSAI ET AL., SNF1-Related Protein Kinase of Rice	
✓		ALISON ALDERSON ET AL., PNAS, vol. 88:8602-8605, 10/1991, Complementation of snf1, a mutation affecting global regulation of carbon metabolism in yeast, by a plant protein kinase cDNA	
/		EMBL DATABASE SEQUENCE LIBRARY ACCESSION NO: AA738543, 08-18-1998, F. ANNEN ET AL., Characterization of 14 different putative protein kinase cDNA clones of the C4 plant Sorghum bicolor	
		F. ANNEN ET AL., Mol. Gen. Genet., vol. 259:115-122, 1998, Characterization of 14 different putative protein kinase cDNA clones of the C4 plant Sorghum bicolor	
		EMBL DATABASE SEQUENCE LIBRARY ACCESSION NO: Q41485, 11-01-1996, A.L. MAN ET AL., Potato SNF1-Related Protein Kinase: Molecular cloning, expression analysis and peptide kinase activity measurements	
		ANGELA L. MAN ET AL., Plant Mol. Biol., vol. 34:31-43, 1997, Potato SNF1-Related Protein Kinase: Molecular cloning, expression analysis and peptide kinase activity measurements	
/		EMBL DATABASE SEQUENCE LIBRARY ACCESSION NO: Y10036, 12-17-1996, N.J. GUMPEL, C.Sativus mRNA for SNF1-related protein kinase	
	✓	JEN SHEEN ET AL., Plant Cell, vol. 2:1027-1038, 1990, Metabolic Repression of Transcription in Higher Plants	

Examiner  
Signature

Date  
Considered

\* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Unique citation designation number. <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.